

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012353.D
 Acq On : 30 Aug 2019 16:33
 Operator : SY/VA
 Sample : K4620-06MSD
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:25 AM

Quant Time: Aug 30 18:00:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	277978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	225678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83509	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117278	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.88	113	89475	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
50) Toluene-d8	10.32	98	343854	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.62	95	103968	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61554	58.187	ug/l	98
3) Chloromethane	2.21	50	94011	57.361	ug/l	99
4) Vinyl Chloride	2.36	62	487582	243.062	ug/l	100
5) Bromomethane	2.77	94	60531	59.582	ug/l	94
6) Chloroethane	2.92	64	66868	59.090	ug/l	97
7) Trichlorofluoromethane	3.25	101	58107	57.688	ug/l	96
8) Diethyl Ether	3.68	74	59199	61.918	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	96123	56.142	ug/l	99
10) Methyl Iodide	4.27	142	130522	56.342	ug/l	99
11) Tert butyl alcohol	5.16	59	49262	400.807	ug/l	98
12) 1,1-Dichloroethene	4.04	96	111429	64.661	ug/l	98
13) Acrolein	3.89	56	21347	184.511	ug/l	93
14) Allyl chloride	4.67	41	169098	45.899	ug/l	98
15) Acrylonitrile	5.36	53	166268	350.853	ug/l	99
16) Acetone	4.12	43	193268	370.199	ug/l	99
17) Carbon Disulfide	4.39	76	290988	55.872	ug/l	100
18) Methyl Acetate	4.67	43	116630	90.197	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	186634	66.970	ug/l	99
20) Methylene Chloride	4.92	84	117339	59.454	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	120906	65.427	ug/l	97
22) Diisopropyl ether	6.31	45	412396	60.390	ug/l	98
23) Vinyl Acetate	6.25	43	1156629	275.218	ug/l	100
24) 1,1-Dichloroethane	6.21	63	240288	64.625	ug/l	99
25) 2-Butanone	7.17	43	259481	365.762	ug/l #	68
26) 2,2-Dichloropropane	7.17	77	117144	55.662	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	5184179	2625.719	ug/l	93
28) Bromochloromethane	7.51	49	92088	56.824	ug/l	99
29) Tetrahydrofuran	7.52	42	156450	367.576	ug/l	99
30) Chloroform	7.67	83	191074	56.169	ug/l	98
31) Cyclohexane	7.95	56	177275	48.190	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	151941	56.461	ug/l	100
36) 1,1-Dichloropropene	8.08	75	154595	53.817	ug/l	99
37) Ethyl Acetate	7.25	43	104886	66.631	ug/l #	83
38) Carbon Tetrachloride	8.07	117	132004	53.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	137195	42.513	ug/l	99
40) Benzene	8.32	78	437682	55.800	ug/l	99
41) Methacrylonitrile	7.48	41	72572	78.442	ug/l	88
42) 1,2-Dichloroethane	8.40	62	148826	60.540	ug/l	100
43) Isopropyl Acetate	8.42	43	197238	67.645	ug/l	98
44) Trichloroethene	9.09	130	108145	56.716	ug/l	97
45) 1,2-Dichloropropane	9.37	63	119793	56.747	ug/l	98
46) Dibromomethane	9.46	93	57168	60.866	ug/l	98
47) Bromodichloromethane	9.65	83	142663	57.071	ug/l	96
48) Methyl methacrylate	9.43	41	96292	69.386	ug/l	97
49) 1,4-Dioxane	9.45	88	20340	1414.584	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	521734	351.796	ug/l	100
52) Toluene	10.38	92	258135	54.781	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	149356	58.656	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	173126	56.310	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	81002	60.954	ug/l	97
56) Ethyl methacrylate	10.65	69	123283	63.741	ug/l	99
57) 1,3-Dichloropropane	10.93	76	152796	60.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	239340	241.117	ug/l	99
59) 2-Hexanone	10.97	43	350831	334.329	ug/l	100
60) Dibromochloromethane	11.13	129	87304	58.982	ug/l	99
61) 1,2-Dibromoethane	11.23	107	76045	61.423	ug/l	99
64) Tetrachloroethene	10.86	164	77003	52.629	ug/l	98
65) Chlorobenzene	11.66	112	239054	53.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	91750	59.184	ug/l	99
67) Ethyl Benzene	11.73	91	462981	54.085	ug/l	99
68) m/p-Xylenes	11.84	106	327538	106.223	ug/l	100
69) o-Xylene	12.16	106	153967	53.950	ug/l	99
70) Styrene	12.18	104	223098	45.164	ug/l	97
71) Bromoform	12.35	173	49821	64.503	ug/l #	98
73) Isopropylbenzene	12.46	105	402806	64.372	ug/l	99
74) N-amyl acetate	12.27	43	127633	67.511	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	96980	84.538	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68490m	84.211	ug/l	
77) Bromobenzene	12.74	156	90505	66.856	ug/l	97
78) n-propylbenzene	12.80	91	444955	58.247	ug/l	99
79) 2-Chlorotoluene	12.89	91	260994	60.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	308858	59.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	28407	76.579	ug/l	99
82) 4-Chlorotoluene	12.99	91	267862	58.985	ug/l	99
83) tert-Butylbenzene	13.21	119	258452	58.353	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	307471	58.539	ug/l	99
85) sec-Butylbenzene	13.38	105	320940	50.577	ug/l	100
86) p-Isopropyltoluene	13.50	119	286659	50.584	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	138453	52.289	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138723	52.764	ug/l	99
89) n-Butylbenzene	13.82	91	229017	40.639	ug/l	100
90) Hexachloroethane	14.09	117	46146	46.413	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	127235	54.775	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16144	83.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	48855	30.435	ug/l	100
94) Hexachlorobutadiene	15.24	225	26084	24.609	ug/l	96
95) Naphthalene	15.36	128	137979	44.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	42508	30.351	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

